Technical Data Sheet FITC Mouse Anti-Human HLA-DR

Product Information	
Material Number:	555811
Size:	100 tests
Vol. per Test:	20 µl
Clone:	G46-6
Isotype:	Mouse IgG2a κ
Reactivity:	QC Testing: Human Tested in Development: Baboon, Rhesus, Cynomolgus, Dog
Workshop:	NA
Storage Buffer:	Aqueous buffered solution containing BSA and ≤0.09% sodium azide.

Description

Reacts with HLA-DR, a human class II antigen II of the major histocompatibility complex (MHC). HLA-DR is a transmembrane glycoprotein composed of an α chain (36 kD) and a β subunit (27 kD) expressed primarily on antigen presenting cells: B cells, monocytes, macrophages, and thymic epithelial cells. HLA-DR is also expressed on activated T cells. This molecule plays a major role in cellular interaction during antigen presentation.

This antibody is routinely tested by flow cytometric analysis. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Profile of peripheral blood lymhocytes analyzed on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed. Store undiluted at 4° C and protected from prolonged exposure to light. Do not freeze.

Application Notes

P.P								
Applicati	on							
Flow cyto	metry				Routinel	/ Tested		
Suggeste	d Compan	ion Produc	ts					
Catalog Nu	mber	Name					Size	Clone
555573		FITC Mouse IgG2a Kappa Isotype Control			ontrol		100 tests	G155-178
BD Bioscien	ces							
odbiosciences. Jnited States 377.232.8995 For country-spe	com Canada 888.259.0187	Europe 32.53.720.550	Japan 0120.8555.90	Asia Pacific 65.6861.0633	Latin America/Caribbean 55.11.5185.9995		E	BD
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Product Notices

- 1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10e6 cells in a 100-µl experimental sample (a test).
- 2. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
- 3. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
- 4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
- 5. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Barclay NA, Brown MH, Birkeland ML, et al, ed. The Leukocyte Antigen FactsBook. San Diego, CA: Academic Press; 1997.(Biology)